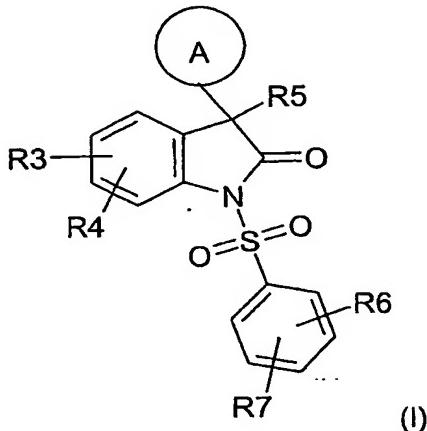


**Claims**

1. A compound of the formula (I)



5

in which

A is an aromatic heteromonocyclic, or an aromatic or partially aromatic heterobicyclic ring,

10

where the heterocycles are 5- or 6-membered rings and comprise up to 4 heteroatoms selected from the group consisting of N, O and S, and up to 2 oxo groups, where not more than one of the heteroatoms is an oxygen atom,

15

and A may be substituted by radicals R<sup>11</sup>, R<sup>12</sup> and/or R<sup>13</sup>,

where

20

R<sup>11</sup>, R<sup>12</sup> and R<sup>13</sup> at each occurrence are selected independently of one another from the group consisting of hydrogen, chlorine, bromine, iodine, fluorine, CN, CF<sub>3</sub>, OCF<sub>3</sub>, NO<sub>2</sub>, OH, O-C<sub>1</sub>-C<sub>4</sub>-alkyl, O-phenyl, O-C<sub>1</sub>-C<sub>4</sub>-alkylen-phenyl, phenyl, C<sub>1</sub>-C<sub>6</sub>-alkyl, C<sub>2</sub>-C<sub>6</sub>-alkenyl, C<sub>2</sub>-C<sub>6</sub>-alkynyl, NH<sub>2</sub>, NH(C<sub>1</sub>-C<sub>4</sub>-alkyl) and N(C<sub>1</sub>-C<sub>4</sub>-alkyl)<sub>2</sub>,

25 R<sup>3</sup> and R<sup>4</sup> are selected independently of one another from the group consisting of

hydrogen, chlorine, bromine, iodine, fluorine, CN, CF<sub>3</sub>, OCF<sub>3</sub>, NO<sub>2</sub>, OH, O-C<sub>1</sub>-C<sub>4</sub>-alkyl, O-phenyl, O-C<sub>1</sub>-C<sub>4</sub>-alkylen-phenyl, phenyl, C<sub>1</sub>-C<sub>6</sub>-alkyl, C<sub>2</sub>-C<sub>6</sub>-alkenyl, C<sub>2</sub>-C<sub>6</sub>-alkynyl, NH<sub>2</sub>, NH(C<sub>1</sub>-C<sub>4</sub>-alkyl) and N(C<sub>1</sub>-C<sub>4</sub>-alkyl)<sub>2</sub>, or

- 5 R<sup>3</sup> and R<sup>4</sup> are connected to give -CH=CH-CH=CH-, -(CH<sub>2</sub>)<sub>4</sub>- or -(CH<sub>2</sub>)<sub>3</sub>-,

R<sup>5</sup> is a radical (W)-(X)-(Y)-Z, where

10 W is selected from the group consisting of C<sub>1</sub>-C<sub>4</sub>-alkylen, C<sub>2</sub>-C<sub>4</sub>-alkenylen, C<sub>2</sub>-C<sub>4</sub>-alkynyl, O, O-(C<sub>1</sub>-C<sub>4</sub>-alkylen), S, S-(C<sub>1</sub>-C<sub>4</sub>-alkylen), NR<sup>54</sup>, NR<sup>54</sup>-(C<sub>1</sub>-C<sub>4</sub>-alkylen) and a bond,

X is selected from the group consisting of CO, CO-O, SO<sub>2</sub>, NR<sup>54</sup>, NR<sup>54</sup>-CO, NR<sup>54</sup>-SO<sub>2</sub>, CO-NR<sup>58</sup> and a bond,

Y is C<sub>1</sub>-C<sub>6</sub>-alkylen, C<sub>2</sub>-C<sub>6</sub>-alkenylen, C<sub>2</sub>-C<sub>6</sub>-alkynyl, or a bond,

15 Z is selected from the group consisting of hydrogen, E, O-R<sup>52</sup>, NR<sup>51</sup>R<sup>52</sup>, S-R<sup>52</sup>, where

E is an unsaturated, saturated or partially unsaturated mono-, bi- or tricyclic ring having a maximum of 14 carbon atoms and 0 to 5 nitrogen atoms, 0 to 2 oxygen atoms and/or 0 to 2 sulfur atoms, said ring may comprise up to two oxo groups, 20 and may be substituted by radicals R<sup>55</sup>, R<sup>56</sup>, R<sup>57</sup>, and/or up to three radicals R<sup>53</sup>,

25 R<sup>51</sup> at each occurrence is independently selected from the group consisting of hydrogen, C<sub>1</sub>-C<sub>6</sub>-alkyl, C<sub>2</sub>-C<sub>6</sub>-alkenyl, C<sub>2</sub>-C<sub>6</sub>-alkynyl, phenyl and C<sub>1</sub>-C<sub>4</sub>-alkylen-phenyl, where the phenyl ring may be substituted by up to two radicals R<sup>53</sup>,

R<sup>52</sup> at each occurrence is independently selected from the group consisting of hydrogen, C<sub>1</sub>-C<sub>6</sub>-alkyl, C<sub>2</sub>-C<sub>6</sub>-alkenyl, C<sub>2</sub>-C<sub>6</sub>-alkynyl, E and C<sub>1</sub>-C<sub>4</sub>-alkylen-E,

30 R<sup>53</sup> at each occurrence is independently selected from the group consisting of hydrogen, chlorine, bromine, iodine, fluorine, CN, CF<sub>3</sub>, OCF<sub>3</sub>, NO<sub>2</sub>, OH, O-C<sub>1</sub>-C<sub>4</sub>-alkyl, C<sub>1</sub>-C<sub>6</sub>-alkyl, C<sub>2</sub>-C<sub>6</sub>-alkenyl, C<sub>2</sub>-C<sub>6</sub>-alkynyl, NH<sub>2</sub>, NH(C<sub>1</sub>-C<sub>4</sub>-alkyl) and N(C<sub>1</sub>-C<sub>4</sub>-alkyl)<sub>2</sub>,

$R^{54}$  at each occurrence is independently selected from the group consisting of hydrogen, C<sub>1</sub>-C<sub>6</sub>-alkyl, C<sub>2</sub>-C<sub>6</sub>-alkenyl, C<sub>2</sub>-C<sub>6</sub>-alkynyl, phenyl and C<sub>1</sub>-C<sub>4</sub>-alkylen-phenyl, where the phenyl ring may be substituted by up to two radicals R<sup>59</sup>,

5       $R^{55}$  at each occurrence is independently selected from the group consisting of hydrogen, C<sub>1</sub>-C<sub>6</sub>-alkyl, C<sub>2</sub>-C<sub>6</sub>-alkenyl, C<sub>2</sub>-C<sub>6</sub>-alkynyl, phenyl, C<sub>1</sub>-C<sub>4</sub>-alkylen-phenyl, where the ring may be substituted by up to two radicals R<sup>60</sup>, and OH, O-C<sub>1</sub>-C<sub>4</sub>-alkyl, O-phenyl, O-C<sub>1</sub>-C<sub>4</sub>-alkylen-phenyl, NH<sub>2</sub>, NH(C<sub>1</sub>-C<sub>4</sub>-alkyl) and N(C<sub>1</sub>-C<sub>4</sub>-alkyl)<sub>2</sub>,

10      $R^{56}$  is a group Q<sup>1</sup>-Q<sup>2</sup>-Q<sup>3</sup>, where

Q<sup>1</sup> is selected from the group consisting of a bond, C<sub>1</sub>-C<sub>4</sub>-alkylen, C<sub>2</sub>-C<sub>4</sub>-alkenylen, C<sub>2</sub>-C<sub>4</sub>-alkynyl, C<sub>1</sub>-C<sub>4</sub>-alkylen-N(C<sub>1</sub>-C<sub>4</sub>-alkyl), N(C<sub>1</sub>-C<sub>4</sub>-alkyl),

15     C<sub>1</sub>-C<sub>4</sub>-alkylen-NH, NH, N(C<sub>1</sub>-C<sub>4</sub>-alkyl)-C<sub>1</sub>-C<sub>4</sub>-alkylen, NH-C<sub>1</sub>-C<sub>4</sub>-alkylen, O, C<sub>1</sub>-C<sub>4</sub>-alkylen-O, O-C<sub>1</sub>-C<sub>4</sub>-alkylen, CO-NH, CO-N(C<sub>1</sub>-C<sub>4</sub>-alkyl), NH-CO, N(C<sub>1</sub>-C<sub>4</sub>-alkyl)-CO, CO, SO<sub>2</sub>, SO, S, O, SO<sub>2</sub>-NH, SO<sub>2</sub>-N(C<sub>1</sub>-C<sub>4</sub>-alkyl), NH-SO<sub>2</sub>, N(C<sub>1</sub>-C<sub>4</sub>-alkyl)-SO<sub>2</sub>, O-CO-NH, O-CO-N(C<sub>1</sub>-C<sub>4</sub>-alkyl), NH-CO-O, N(C<sub>1</sub>-C<sub>4</sub>-alkyl)-CO-O, N(C<sub>1</sub>-C<sub>4</sub>-alkyl)-CO-N(C<sub>1</sub>-C<sub>4</sub>-alkyl), NH-CO-N(C<sub>1</sub>-C<sub>4</sub>-alkyl), N(C<sub>1</sub>-C<sub>4</sub>-alkyl)-CO-NH, and NH-CO-NH,

Q<sup>2</sup> is selected from the group consisting of C<sub>1</sub>-C<sub>4</sub>-alkylen, C<sub>2</sub>-C<sub>4</sub>-alkenylen, C<sub>2</sub>-C<sub>4</sub>-alkynyl, and a bond,

25     Q<sup>3</sup> is a hydrogen or an unsaturated, saturated or partially unsaturated mono-, bi- or tricyclic ring having a maximum of 14 carbon atoms and 0 to 5 nitrogen atoms, 0 to 2 oxygen atoms and/or 0 to 2 sulfur atoms, which may comprise up to two oxo groups and may be substituted by the radicals R<sup>63</sup>, R<sup>64</sup> and/or R<sup>65</sup>,

30      $R^{57}$  at each occurrence is independently selected from the group consisting of hydrogen, C<sub>1</sub>-C<sub>6</sub>-alkyl, phenyl, C<sub>1</sub>-C<sub>4</sub>-alkylen-phenyl, COOH, CO-O-C<sub>1</sub>-C<sub>4</sub>-alkyl, CONH<sub>2</sub>, CO-NH-C<sub>1</sub>-C<sub>4</sub>-alkyl, CO-N(C<sub>1</sub>-C<sub>4</sub>-alkyl)<sub>2</sub>, CO-C<sub>1</sub>-C<sub>4</sub>-alkyl, CH<sub>2</sub>-NH<sub>2</sub>, CH<sub>2</sub>-NH-C<sub>1</sub>-C<sub>4</sub>-alkyl and CH<sub>2</sub>-N(C<sub>1</sub>-C<sub>4</sub>-alkyl)<sub>2</sub>,

$R^{58}$  at each occurrence is independently selected from the group consisting of hydrogen, C<sub>1</sub>-C<sub>6</sub>-alkyl, C<sub>2</sub>-C<sub>6</sub>-alkenyl, C<sub>2</sub>-C<sub>6</sub>-alkynyl, phenyl and C<sub>1</sub>-C<sub>4</sub>-alkylen-phenyl, where the phenyl ring may be substituted by up to two radicals R<sup>62</sup>,

5       R<sup>59</sup>, R<sup>60</sup> and R<sup>62</sup> at each occurrence are selected independently of one another from the group consisting of hydrogen, chlorine, bromine, iodine, fluorine, CN, CF<sub>3</sub>, OCF<sub>3</sub>, NO<sub>2</sub>, OH, O-C<sub>1</sub>-C<sub>4</sub>-alkyl, C<sub>1</sub>-C<sub>6</sub>-alkyl, C<sub>2</sub>-C<sub>6</sub>-alkenyl, C<sub>2</sub>-C<sub>6</sub>-alkynyl, NH<sub>2</sub>, NH(C<sub>1</sub>-C<sub>4</sub>-alkyl) and N(C<sub>1</sub>-C<sub>4</sub>-alkyl)<sub>2</sub>,

10      R<sup>63</sup>, R<sup>64</sup> and R<sup>65</sup> at each occurrence are selected independently of one another from the group consisting of hydrogen, chlorine, bromine, iodine, fluorine, CN, CF<sub>3</sub>, OCF<sub>3</sub>, NO<sub>2</sub>, OH, O-C<sub>1</sub>-C<sub>4</sub>-alkyl, O-phenyl, O-C<sub>1</sub>-C<sub>4</sub>-alkylen-phenyl, phenyl, C<sub>1</sub>-C<sub>6</sub>-alkyl, C<sub>2</sub>-C<sub>6</sub>-alkenyl, C<sub>2</sub>-C<sub>6</sub>-alkynyl, NH<sub>2</sub>, NH(C<sub>1</sub>-C<sub>4</sub>-alkyl) and N(C<sub>1</sub>-C<sub>4</sub>-alkyl)<sub>2</sub>,

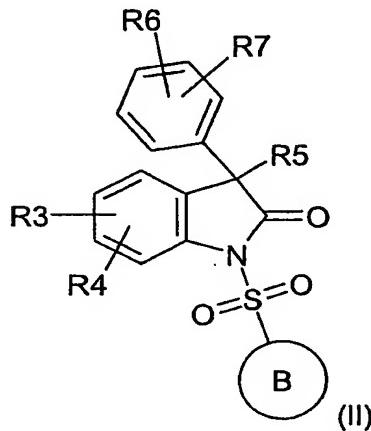
15      R<sup>6</sup> and R<sup>7</sup> are selected independently of one another from the group consisting of hydrogen, chlorine, bromine, iodine, fluorine, CN, CF<sub>3</sub>, OCF<sub>3</sub>, NO<sub>2</sub>, OH, O-C<sub>1</sub>-C<sub>4</sub>-alkyl, O-phenyl, O-C<sub>1</sub>-C<sub>4</sub>-alkylen-phenyl, phenyl, C<sub>1</sub>-C<sub>6</sub>-alkyl, C<sub>2</sub>-C<sub>6</sub>-alkenyl, C<sub>2</sub>-C<sub>6</sub>-alkynyl, NH<sub>2</sub>, NH(C<sub>1</sub>-C<sub>4</sub>-alkyl) and N(C<sub>1</sub>-C<sub>4</sub>-alkyl)<sub>2</sub>,

20      and their tautomeric forms, enantiomeric and diastereomeric forms, and prodrugs thereof.

2.      The compound of claim 1, wherein A is selected from the group consisting of aromatic heteromonocyclic and aromatic heterobicyclic systems comprising 1 or 2 heteroatoms, where one of the 2 heteroatoms is nitrogen.

3.      The compound of claim 1, wherein A is selected from the group consisting of benzothiazole, pyrimidine, pyridine, pyridazine, pyrazine, isoquinoline, quinoline, thiazole, benzimidazole, imidazole, benzoxazole, benzothiophene, thiophene, benzofuran and furan.

## 4. A compound of the formula (II)



in which

5

B is selected from the group consisting of thiophene, furan, pyrrole, pyridine, quinoline, tetrahydroquinoline, isoquinoline, tetrahydroisoquinoline, benzothiophene, benzofuran, dihydrobenzofuran, indole, dihydroisoindole,

10 an aromatic heteromonocyclic and an aromatic or partially aromatic heterobicyclic ring,

where the heterocycles are 5- or 6-membered rings and comprise 2 to 4 heteroatoms selected from the group consisting of N, O and S, and up to 2 oxo groups, and

15

B may be substituted by the radicals R<sup>21</sup>, R<sup>22</sup> and/or R<sup>23</sup>,

R<sup>21</sup>, R<sup>22</sup> and R<sup>23</sup> at each occurrence are selected independently of one another from the group consisting of hydrogen, chlorine, bromine, iodine, fluorine, CN, CF<sub>3</sub>, OCF<sub>3</sub>, NO<sub>2</sub>, OH, O-C<sub>1</sub>-C<sub>4</sub>-alkyl, O-phenyl, O-C<sub>1</sub>-C<sub>4</sub>-alkylen-phenyl, phenyl, C<sub>1</sub>-C<sub>6</sub>-alkyl, C<sub>2</sub>-C<sub>6</sub>-alkenyl, C<sub>2</sub>-C<sub>6</sub>-alkynyl, NH<sub>2</sub>, NH(C<sub>1</sub>-C<sub>4</sub>-alkyl) and N(C<sub>1</sub>-C<sub>4</sub>-alkyl)<sub>2</sub>, morpholin-4-yl, pyrrolidin-1-yl, piperidin-1-yl, 4-piperazin-1-yl, 4-(C<sub>1</sub>-C<sub>4</sub>-alkyl)-piperazin-1-yl,

25 R<sup>3</sup> and R<sup>4</sup> are selected independently of one another from the group consisting of hydrogen, chlorine, bromine, iodine, fluorine, CN, CF<sub>3</sub>, OCF<sub>3</sub>, NO<sub>2</sub>, OH, O-C<sub>1</sub>-C<sub>4</sub>-alkyl,

O-phenyl, O-C<sub>1</sub>-C<sub>4</sub>-alkylen-phenyl, phenyl, C<sub>1</sub>-C<sub>6</sub>-alkyl, C<sub>2</sub>-C<sub>6</sub>-alkenyl, C<sub>2</sub>-C<sub>6</sub>-alkynyl, NH<sub>2</sub>, NH(C<sub>1</sub>-C<sub>4</sub>-alkyl) and N(C<sub>1</sub>-C<sub>4</sub>-alkyl)<sub>2</sub>, or

R<sup>3</sup> and R<sup>4</sup> are connected to give -CH=CH-CH=CH-, -(CH<sub>2</sub>)<sub>4</sub>- or -(CH<sub>2</sub>)<sub>3</sub>-,

5

R<sup>5</sup> is a radical (W)-(X)-(Y)-Z, where

W is selected from the group consisting of C<sub>1</sub>-C<sub>4</sub>-alkylen, C<sub>2</sub>-C<sub>4</sub>-alkenylen, C<sub>2</sub>-C<sub>4</sub>-alkynyl, O, O-(C<sub>1</sub>-C<sub>4</sub>-alkylen), S, S-(C<sub>1</sub>-C<sub>4</sub>-alkylen), NR<sup>54</sup>, NR<sup>54</sup>-(C<sub>1</sub>-C<sub>4</sub>-alkylen) and a bond,

10 X is selected from the group consisting of CO, CO-O, SO<sub>2</sub>, NR<sup>54</sup>, NR<sup>54</sup>-CO, NR<sup>54</sup>-SO<sub>2</sub>, CO-NR<sup>58</sup> and a bond,

Y is C<sub>1</sub>-C<sub>6</sub>-alkylen, C<sub>2</sub>-C<sub>6</sub>-alkenylen, C<sub>2</sub>-C<sub>6</sub>-alkynyl, or a bond,

Z is selected from the group consisting of hydrogen, E, O-R<sup>52</sup>, NR<sup>51</sup>R<sup>52</sup>, S-R<sup>52</sup>,  
15 where

E is an unsaturated, saturated or partially unsaturated mono-, bi- or tricyclic ring having a maximum of 14 carbon atoms and 0 to 5 nitrogen atoms, 0 to 2 oxygen atoms and/or 0 to 2 sulfur atoms, said ring may comprise up to two oxo groups, 20 and may be substituted by radicals R<sup>55</sup>, R<sup>56</sup>, R<sup>57</sup> and/or up to three radicals R<sup>53</sup> and,

25 R<sup>51</sup> at each occurrence is independently selected from the group consisting of hydrogen, C<sub>1</sub>-C<sub>6</sub>-alkyl, C<sub>2</sub>-C<sub>6</sub>-alkenyl, C<sub>2</sub>-C<sub>6</sub>-alkynyl, phenyl and C<sub>1</sub>-C<sub>4</sub>-alkylen-phenyl, where the phenyl ring may be substituted by up to two radicals R<sup>53</sup>,

30 R<sup>52</sup> at each occurrence is independently selected from the group consisting of hydrogen, C<sub>1</sub>-C<sub>6</sub>-alkyl, C<sub>2</sub>-C<sub>6</sub>-alkenyl, C<sub>2</sub>-C<sub>6</sub>-alkynyl, E and C<sub>1</sub>-C<sub>4</sub>-alkylen-E,

35 R<sup>53</sup> at each occurrence is independently selected from the group consisting of hydrogen, chlorine, bromine, iodine, fluorine, CN, CF<sub>3</sub>, OCF<sub>3</sub>, NO<sub>2</sub>, OH, O-C<sub>1</sub>-C<sub>4</sub>-alkyl, C<sub>1</sub>-C<sub>6</sub>-alkyl, C<sub>2</sub>-C<sub>6</sub>-alkenyl, C<sub>2</sub>-C<sub>6</sub>-alkynyl, NH<sub>2</sub>, NH(C<sub>1</sub>-C<sub>4</sub>-alkyl) and N(C<sub>1</sub>-C<sub>4</sub>-alkyl)<sub>2</sub>.

$R^{54}$  at each occurrence is independently selected from the group consisting of hydrogen,  $C_1$ - $C_6$ -alkyl,  $C_2$ - $C_6$ -alkenyl,  $C_2$ - $C_6$ -alkynyl, phenyl and  $C_1$ - $C_4$ -alkylen-phenyl, where the phenyl ring may be substituted by up to two radicals  $R^{59}$ ,

5  $R^{55}$  at each occurrence is independently selected from the group consisting of hydrogen,  $C_1$ - $C_6$ -alkyl,  $C_2$ - $C_6$ -alkenyl,  $C_2$ - $C_6$ -alkynyl, phenyl,  $C_1$ - $C_4$ -alkylen-phenyl, where the ring may be substituted by up to two radicals  $R^{60}$ , and OH, O- $C_1$ - $C_4$ -alkyl, O-phenyl, O- $C_1$ - $C_4$ -alkylen-phenyl, NH<sub>2</sub>, NH( $C_1$ - $C_4$ -alkyl) and N( $C_1$ - $C_4$ -alkyl)<sub>2</sub>,

10  $R^{56}$  is a group  $Q^1$ - $Q^2$ - $Q^3$ , where

15  $Q^1$  is selected from the group consisting of a bond,  $C_1$ - $C_4$ -alkylen,  $C_2$ - $C_4$ -alkenylen,  $C_2$ - $C_4$ -alkynyl,  $C_1$ - $C_4$ -alkylen-N( $C_1$ - $C_4$ -alkyl), N( $C_1$ - $C_4$ -alkyl),  $C_1$ - $C_4$ -alkylen-NH, NH, N( $C_1$ - $C_4$ -alkyl)- $C_1$ - $C_4$ -alkylen, NH- $C_1$ - $C_4$ -alkylen, O,  $C_1$ - $C_4$ -alkylen-O, O- $C_1$ - $C_4$ -alkylen, CO-NH, CO-N( $C_1$ - $C_4$ -alkyl), NH-CO, N( $C_1$ - $C_4$ -alkyl)-CO, CO, SO<sub>2</sub>, SO, S, O, SO<sub>2</sub>-NH, SO<sub>2</sub>-N( $C_1$ - $C_4$ -alkyl), NH-SO<sub>2</sub>, N( $C_1$ - $C_4$ -alkyl)-SO<sub>2</sub>, O-CO-NH, O-CO-N( $C_1$ - $C_4$ -alkyl), NH-CO-O, N( $C_1$ - $C_4$ -alkyl)-CO-O, N( $C_1$ - $C_4$ -alkyl)-CO-N( $C_1$ - $C_4$ -alkyl), NH-CO-N( $C_1$ - $C_4$ -alkyl), N( $C_1$ - $C_4$ -alkyl)-CO-NH, and NH-CO-NH,

20  $Q^2$  is selected from the group consisting of  $C_1$ - $C_4$ -alkylen,  $C_2$ - $C_4$ -alkenylen,  $C_2$ - $C_4$ -alkynyl, and a bond,

25  $Q^3$  is a hydrogen or an unsaturated, saturated or partially unsaturated mono-, bi- or tricyclic ring having a maximum of 14 carbon atoms and 0 to 5 nitrogen atoms, 0 to 2 oxygen atoms and/or 0 to 2 sulfur atoms, which may comprise up to two oxo groups and may be substituted by the radicals  $R^{63}$ ,  $R^{64}$  and/or  $R^{65}$ ,

30  $R^{57}$  at each occurrence is independently selected from the group consisting of hydrogen,  $C_1$ - $C_6$ -alkyl, phenyl,  $C_1$ - $C_4$ -alkylen-phenyl, COOH, CO-O- $C_1$ - $C_4$ -alkyl, CONH<sub>2</sub>, CO-NH- $C_1$ - $C_4$ -alkyl, CO-N( $C_1$ - $C_4$ -alkyl)<sub>2</sub>, CO- $C_1$ - $C_4$ -alkyl, CH<sub>2</sub>-NH<sub>2</sub>, CH<sub>2</sub>-NH- $C_1$ - $C_4$ -alkyl and CH<sub>2</sub>-N( $C_1$ - $C_4$ -alkyl)<sub>2</sub>,

$R^{58}$  at each occurrence is independently selected from the group consisting of hydrogen, C<sub>1</sub>-C<sub>6</sub>-alkyl, C<sub>2</sub>-C<sub>6</sub>-alkenyl, C<sub>2</sub>-C<sub>6</sub>-alkynyl, phenyl and C<sub>1</sub>-C<sub>4</sub>-alkylen-phenyl, where the phenyl ring may be substituted by up to two radicals R<sup>62</sup>,

5      R<sup>59</sup>, R<sup>60</sup> and R<sup>62</sup> at each occurrence are selected independently of one another from the group consisting of hydrogen, chlorine, bromine, iodine, fluorine, CN, CF<sub>3</sub>, OCF<sub>3</sub>, NO<sub>2</sub>, OH, O-C<sub>1</sub>-C<sub>4</sub>-alkyl, C<sub>1</sub>-C<sub>6</sub>-alkyl, C<sub>2</sub>-C<sub>6</sub>-alkenyl, C<sub>2</sub>-C<sub>6</sub>-alkynyl, NH<sub>2</sub>, NH(C<sub>1</sub>-C<sub>4</sub>-alkyl) and N(C<sub>1</sub>-C<sub>4</sub>-alkyl)<sub>2</sub>,

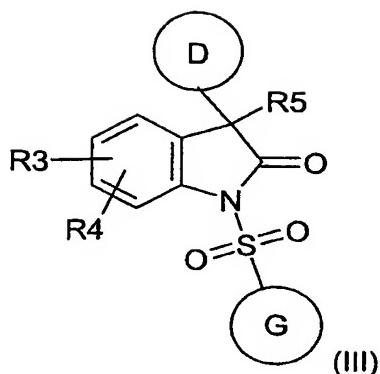
10     R<sup>63</sup>, R<sup>64</sup> and R<sup>65</sup> at each occurrence are independently selected independently of one another from the group consisting of hydrogen, chlorine, bromine, iodine, fluorine, CN, CF<sub>3</sub>, OCF<sub>3</sub>, NO<sub>2</sub>, OH, O-C<sub>1</sub>-C<sub>4</sub>-alkyl, O-phenyl, O-C<sub>1</sub>-C<sub>4</sub>-alkylen-phenyl, phenyl, C<sub>1</sub>-C<sub>6</sub>-alkyl, C<sub>2</sub>-C<sub>6</sub>-alkenyl, C<sub>2</sub>-C<sub>6</sub>-alkynyl, NH<sub>2</sub>, NH(C<sub>1</sub>-C<sub>4</sub>-alkyl) and N(C<sub>1</sub>-C<sub>4</sub>-alkyl)<sub>2</sub>,

15     R<sup>6</sup> and R<sup>7</sup> at each occurrence are selected independently of one another from the group consisting of hydrogen, chlorine, bromine, iodine, fluorine, CN, CF<sub>3</sub>, OCF<sub>3</sub>, NO<sub>2</sub>, OH, O-C<sub>1</sub>-C<sub>4</sub>-alkyl, O-phenyl, O-C<sub>1</sub>-C<sub>4</sub>-alkylen-phenyl, phenyl, C<sub>1</sub>-C<sub>6</sub>-alkyl, C<sub>2</sub>-C<sub>6</sub>-alkenyl, C<sub>2</sub>-C<sub>6</sub>-alkynyl, NH<sub>2</sub>, NH(C<sub>1</sub>-C<sub>4</sub>-alkyl) and N(C<sub>1</sub>-C<sub>4</sub>-alkyl)<sub>2</sub>,

20     and their tautomeric forms, enantiomeric and diastereomeric forms, and prodrugs thereof.

5.      The compound of claim 4, wherein B is selected from the group consisting of thiophene, furan, pyrrole, pyrazole, isoxazole, pyridine, pyrimidine, quinoline, isoquinoline, tetrahydroisoquinoline, benzothiophene, benzofuran, indole, imidazole, thiazole, imidazothiazole, benzooxazine and quinoxaline.

6.      A compound of the formula (III),



in which

5      D is an aromatic heteromonocyclic, or an aromatic or partially aromatic heterobicyclic ring,

10     where the heterocycles are 5- or 6-membered rings and comprise up to 4 heteroatoms selected from the group consisting of N, O and S, and up to 2 oxo groups,

15     and D may be substituted by radicals R<sup>21</sup>, R<sup>22</sup> and/or R<sup>23</sup>,

20     G is an aromatic heteromonocyclic, aromatic or partially aromatic heterobicyclic ring,

25     where the heterocycles are 5- or 6-membered rings and comprise up to 4 heteroatoms selected from the group consisting of N, O and S, and up to 2 oxo groups and

30     G may be substituted by radicals R<sup>71</sup>, R<sup>72</sup> and/or R<sup>73</sup>,

35     R<sup>21</sup>, R<sup>22</sup>, R<sup>23</sup>, R<sup>71</sup>, R<sup>72</sup> and R<sup>73</sup> at each occurrence are selected independently of one another from the group consisting of hydrogen, chlorine, bromine, iodine, fluorine, CN, CF<sub>3</sub>, OCF<sub>3</sub>, NO<sub>2</sub>, OH, O-C<sub>1</sub>-C<sub>4</sub>-alkyl, O-phenyl, O-C<sub>1</sub>-C<sub>4</sub>-alkylen-phenyl, phenyl, C<sub>1</sub>-C<sub>6</sub>-alkyl, C<sub>2</sub>-C<sub>6</sub>-alkenyl, C<sub>2</sub>-C<sub>6</sub>-alkynyl, NH<sub>2</sub>, NH(C<sub>1</sub>-C<sub>4</sub>-alkyl) and N(C<sub>1</sub>-C<sub>4</sub>-alkyl)<sub>2</sub>, morpholin-4-yl, pyrrolidin-1-yl, piperidin-1-yl, 4-piperazin-1-yl, 4-(C<sub>1</sub>-C<sub>4</sub>-alkyl)-piperazin-1-yl,

R<sup>3</sup> and R<sup>4</sup> at each occurrence are selected independently of one another from the group consisting of hydrogen, chlorine, bromine, iodine, fluorine, CN, CF<sub>3</sub>, OCF<sub>3</sub>, NO<sub>2</sub>, OH, O-C<sub>1</sub>-C<sub>4</sub>-alkyl, O-phenyl, O-C<sub>1</sub>-C<sub>4</sub>-alkylen-phenyl, phenyl, C<sub>1</sub>-C<sub>6</sub>-alkyl, C<sub>2</sub>-C<sub>6</sub>-alkenyl, C<sub>2</sub>-C<sub>6</sub>-alkynyl, NH<sub>2</sub>, NH(C<sub>1</sub>-C<sub>4</sub>-alkyl) and N(C<sub>1</sub>-C<sub>4</sub>-alkyl)<sub>2</sub>, or

5

R<sup>3</sup> and R<sup>4</sup> are connected to give -CH=CH-CH=CH-, -(CH<sub>2</sub>)<sub>4</sub>- or -(CH<sub>2</sub>)<sub>3</sub>-,

R<sup>5</sup> is a radical (W)-(X)-(Y)-Z, where

10 W is selected from the group consisting of C<sub>1</sub>-C<sub>4</sub>-alkylen, C<sub>2</sub>-C<sub>4</sub>-alkenylen, C<sub>2</sub>-C<sub>4</sub>-alkynyl, O, O-(C<sub>1</sub>-C<sub>4</sub>-alkylen), S, S-(C<sub>1</sub>-C<sub>4</sub>-alkylen), NR<sup>54</sup>, NR<sup>54</sup>-(C<sub>1</sub>-C<sub>4</sub>-alkylen) and a bond,

X is selected from the group consisting of CO, CO-O, SO<sub>2</sub>, NR<sup>54</sup>, NR<sup>54</sup>-CO, NR<sup>54</sup>-SO<sub>2</sub>, CO-NR<sup>58</sup> and a bond,

15 Y is C<sub>1</sub>-C<sub>6</sub>-alkylen, C<sub>2</sub>-C<sub>6</sub>-alkenylen, C<sub>2</sub>-C<sub>6</sub>-alkynyl, or a bond,  
Z is selected from the group consisting of hydrogen, E, O-R<sup>52</sup>, NR<sup>51</sup>R<sup>52</sup>, S-R<sup>52</sup>, where

20 E is an unsaturated, saturated or partially unsaturated mono-, bi- or tricyclic ring having a maximum of 14 carbon atoms and 0 to 5 nitrogen atoms, 0 to 2 oxygen atoms and/or 0 to 2 sulfur atoms, which may comprise up to two oxo groups, and E may be substituted by radicals R<sup>55</sup>, R<sup>56</sup>, R<sup>57</sup> and/or up to three radicals R<sup>53</sup>,

25 R<sup>51</sup> at each occurrence is independently selected from the group consisting of hydrogen, C<sub>1</sub>-C<sub>6</sub>-alkyl, C<sub>2</sub>-C<sub>6</sub>-alkenyl, C<sub>2</sub>-C<sub>6</sub>-alkynyl, phenyl and C<sub>1</sub>-C<sub>4</sub>-alkylen-phenyl, where the phenyl ring may be substituted by up to two radicals R<sup>53</sup>,

30 R<sup>52</sup> at each occurrence is independently selected from the group consisting of hydrogen, C<sub>1</sub>-C<sub>6</sub>-alkyl, C<sub>2</sub>-C<sub>6</sub>-alkenyl, C<sub>2</sub>-C<sub>6</sub>-alkynyl, E and C<sub>1</sub>-C<sub>4</sub>-alkylen-E,

R<sup>53</sup> at each occurrence is independently selected from the group consisting of hydrogen, chlorine, bromine, iodine, fluorine, CN, CF<sub>3</sub>, OCF<sub>3</sub>, NO<sub>2</sub>, OH, O-C<sub>1</sub>-C<sub>4</sub>-alkyl, C<sub>1</sub>-C<sub>6</sub>-alkyl, C<sub>2</sub>-C<sub>6</sub>-alkenyl, C<sub>2</sub>-C<sub>6</sub>-alkynyl, NH<sub>2</sub>, NH(C<sub>1</sub>-C<sub>4</sub>-alkyl) and N(C<sub>1</sub>-C<sub>4</sub>-alkyl)<sub>2</sub>,

$R^{54}$  at each occurrence is independently selected from the group consisting of hydrogen,  $C_1\text{-}C_6$ -alkyl,  $C_2\text{-}C_6$ -alkenyl,  $C_2\text{-}C_6$ -alkynyl, phenyl and  $C_1\text{-}C_4$ -alkylen-phenyl, where the phenyl ring may be substituted by up to two radicals  $R^{59}$ ,

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$R^{55}$  at each occurrence is independently selected from the group consisting of hydrogen,  $C_1\text{-}C_6$ -alkyl,  $C_2\text{-}C_6$ -alkenyl,  $C_2\text{-}C_6$ -alkynyl, phenyl,  $C_1\text{-}C_4$ -alkylen-phenyl, where the ring may be substituted by up to two radicals  $R^{60}$ , and OH,  $O\text{-}C_1\text{-}C_4$ -alkyl,  $O\text{-}phenyl$ ,  $O\text{-}C_1\text{-}C_4$ -alkylen-phenyl,  $NH_2$ ,  $NH(C_1\text{-}C_4\text{-}alkyl)$  and  $N(C_1\text{-}C_4\text{-}alkyl)_2$ ,

10

$R^{56}$  is a group  $Q^1\text{-}Q^2\text{-}Q^3$ , where

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$Q^1$  is selected from the group consisting of a bond,  $C_1\text{-}C_4$ -alkylen,  $C_2\text{-}C_4$ -alkenylen,  $C_2\text{-}C_4$ -alkynyl,  $C_1\text{-}C_4$ -alkylen- $N(C_1\text{-}C_4\text{-}alkyl)$ ,  $N(C_1\text{-}C_4\text{-}alkyl)$ ,  $C_1\text{-}C_4$ -alkylen- $NH$ ,  $NH$ ,  $N(C_1\text{-}C_4\text{-}alkyl)\text{-}C_1\text{-}C_4\text{-}alkylen$ ,  $NH\text{-}C_1\text{-}C_4\text{-}alkylen$ , O,  $C_1\text{-}C_4$ -alkylen-O,  $O\text{-}C_1\text{-}C_4\text{-}alkylen$ , CO-NH, CO- $N(C_1\text{-}C_4\text{-}alkyl)$ , NH-CO,  $N(C_1\text{-}C_4\text{-}alkyl)\text{-}CO$ , CO, SO<sub>2</sub>, SO, S, O, SO<sub>2</sub>-NH, SO<sub>2</sub>- $N(C_1\text{-}C_4\text{-}alkyl)$ , NH-SO<sub>2</sub>,  $N(C_1\text{-}C_4\text{-}alkyl)\text{-}SO_2$ , O-CO-NH, O-CO- $N(C_1\text{-}C_4\text{-}alkyl)$ , NH-CO-O,  $N(C_1\text{-}C_4\text{-}alkyl)\text{-}CO\text{-}O$ ,  $N(C_1\text{-}C_4\text{-}alkyl)\text{-}CO\text{-}N(C_1\text{-}C_4\text{-}alkyl)$ , NH-CO- $N(C_1\text{-}C_4\text{-}alkyl)$ ,  $N(C_1\text{-}C_4\text{-}alkyl)\text{-}CO\text{-}NH$ , and NH-CO-NH,

20

$Q^2$  is selected from the group consisting of  $C_1\text{-}C_4$ -alkylen,  $C_2\text{-}C_4$ -alkenylen,  $C_2\text{-}C_4$ -alkynyl, and a bond,

25

$Q^3$  is a hydrogen or an unsaturated, saturated or partially unsaturated mono-, bi- or tricyclic ring having a maximum of 14 carbon atoms and 0 to 5 nitrogen atoms, 0 to 2 oxygen atoms and/or 0 to 2 sulfur atoms, which may comprise up to two oxo groups and may be substituted by the radicals  $R^{63}$ ,  $R^{64}$  and/or  $R^{65}$ ,

30

$R^{57}$  at each occurrence is independently selected from the group consisting of hydrogen,  $C_1\text{-}C_6$ -alkyl, phenyl,  $C_1\text{-}C_4$ -alkylen-phenyl, COOH, CO-O- $C_1\text{-}C_4$ -alkyl, CONH<sub>2</sub>, CO-NH- $C_1\text{-}C_4$ -alkyl, CO- $N(C_1\text{-}C_4\text{-}alkyl)_2$ , CO-C<sub>1</sub>-C<sub>4</sub>-alkyl, CH<sub>2</sub>-NH<sub>2</sub>, CH<sub>2</sub>-NH- $C_1\text{-}C_4$ -alkyl and CH<sub>2</sub>- $N(C_1\text{-}C_4\text{-}alkyl)_2$ ,

$R^{58}$  at each occurrence is independently selected from the group consisting of hydrogen, C<sub>1</sub>-C<sub>6</sub>-alkyl, C<sub>2</sub>-C<sub>6</sub>-alkenyl, C<sub>2</sub>-C<sub>6</sub>-alkynyl, phenyl and C<sub>1</sub>-C<sub>4</sub>-alkylen-phenyl, where the phenyl ring may be substituted by up to two radicals R<sup>62</sup>,

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R<sup>59</sup>, R<sup>60</sup> and R<sup>62</sup> at each occurrence are selected independently of one another from the group consisting of hydrogen, chlorine, bromine, iodine, fluorine, CN, CF<sub>3</sub>, OCF<sub>3</sub>, NO<sub>2</sub>, OH, O-C<sub>1</sub>-C<sub>4</sub>-alkyl, C<sub>1</sub>-C<sub>6</sub>-alkyl, C<sub>2</sub>-C<sub>6</sub>-alkenyl, C<sub>2</sub>-C<sub>6</sub>-alkynyl, NH<sub>2</sub>, NH(C<sub>1</sub>-C<sub>4</sub>-alkyl) and N(C<sub>1</sub>-C<sub>4</sub>-alkyl)<sub>2</sub>,

10

R<sup>63</sup>, R<sup>64</sup> and R<sup>65</sup> at each occurrence are selected independently of one another from the group consisting of hydrogen, chlorine, bromine, iodine, fluorine, CN, CF<sub>3</sub>, OCF<sub>3</sub>, NO<sub>2</sub>, OH, O-C<sub>1</sub>-C<sub>4</sub>-alkyl, O-phenyl, O-C<sub>1</sub>-C<sub>4</sub>-alkylen-phenyl, phenyl, C<sub>1</sub>-C<sub>6</sub>-alkyl, C<sub>2</sub>-C<sub>6</sub>-alkenyl, C<sub>2</sub>-C<sub>6</sub>-alkynyl, NH<sub>2</sub>, NH(C<sub>1</sub>-C<sub>4</sub>-alkyl) and N(C<sub>1</sub>-C<sub>4</sub>-alkyl)<sub>2</sub>,

15

and their tautomeric forms, enantiomeric and diastereomeric forms, and prodrugs thereof.

20 7. The compound of claim 6, wherein D is selected from the group consisting of aromatic heteromonocyclic and aromatic heterobicyclic systems comprising 1 or 2 heteroatoms, where one of the 2 heteroatoms is nitrogen.

25 8. The compound of claim 6, wherein D is selected from the group consisting of benzothiazole, pyrimidine, pyridine, pyridazine, pyrazine, isoquinoline, quinoline, thiazole, benzimidazole, imidazole, benzoxazole, benzothiophene, thiophene, benzofuran and furan.

30 9. The compound of any of claims 6 to 8, wherein G is selected from the group consisting of thiophene, furan, pyrrole, pyrazole, isoxazole, pyridine, pyrimidine, quinoline, isoquinoline, tetrahydroisoquinoline, benzothiophene, benzofuran, indole, imidazole, thiazole, imidazothiazole, benzooxazine and quinoxaline.

10. A medicament comprising a compound as claimed in any of claims 1 to 9.

11. The use of a compound as claimed in any of claims 1 to 9 for the control and/or prophylaxis of various vasopressin-dependent or oxytocin-dependent diseases.
- 5 12. A method for the therapeutic and/or prophylactic treatment of a mammal requiring a treatment by administering a compound as claimed in any of claims 1 to 9 for the treatment of diseases.
- 10 13. The use of a compound as claimed in any of claims 1 to 9 for the treatment of depressions and/or bipolar disorders such as, for example, dysthymic disorders, subsyndromal depression, seasonal affected disorders, premenstrual dysphoric disorders and/or psychotic disorders.
- 15 14. The use of a compound as claimed in any of claims 1 to 9 for the treatment of anxiety and/or stress-related disorders such as, for example, general anxiety disorders, panic disorders, obsessive-compulsive disorders, post-traumatic disorders, acute stress disorders and/or social phobia.
- 20 15. The use of a compound as claimed in any of claims 1 to 9 for the treatment of memory disorders and/or Alzheimer's disease.
16. The use of a compound as claimed in any of claims 1 to 9 for the treatment of psychoses and/or psychotic disorders.
- 25 17. The use of a compound as claimed in any of claims 1 to 9 for the treatment of Cushing's syndrome.